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(72)Inventor : **HIRATA KAZUYUKI**

(54) AC MOTOR

(57)Abstract:

PURPOSE: To reduce magnetic flux in the diameter direction and prevent unfavorable force from being generated in the diameter direction, by separating a plurality of permanent magnet elements for rotor members from one another, magnetically with magnetic separation means.

CONSTITUTION: An AC motor has a housing 1 and yokes 2, 3 provided in the housing 1. The hollow section in the housing 1 is provided with stator winding members 4~9. Via non-permeable supporting members 14~16 supported pivotally by a rotary shaft 17, ring magnet plates 11~13 for rotor members are rotatably provided. The respective permanent magnets for the rotor members 11~13 are separated from one another, with magnetic separation means.



